

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 316 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*240.3	92.2m	22.3km	37.7km
0	119.6m	25.2km	42.0km
45	93.0m	22.4km	37.9km
90	94.9m	22.7km	38.2km
135	97.2m	22.9km	38.6km
180	97.3m	22.9km	38.6km
225	96.6m	22.9km	38.5km
270	96.1m	22.8km	38.4km
315	105.0m	23.8km	39.9km

\*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

SEE ENGINEERING EXHIBIT E-7

20. Environmental Statement/(See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No


If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.  
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If No, explain briefly why not. SEE ENGINEERING EXHIBIT E-10

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) John Raymond Meyers	Relationship to Applicant (e.g., Consulting Engineer) Pres./Dir./ Dir. of Engineering
Signature 	Address (Include ZIP Code) 4700 SW 75 Ave., Miami, FL 33155
Date Dec 8, 1989	Telephone No. (Include Area Code) (305) 264-5957

BENCHMARK COMM. CORP.

PROPOSED NEW FM CLASS C3 STATION  
CH 291 (106.1 MHz)  
CHATOM, AL.

CONTENT

1. Engineering Statement.
2. Exhibit E-1. Copy of application the F.A.A. for tower study.
3. Exhibit E-2. A vertical sketch of the proposed total structure. Sect V-B, page 2, paragraph 8.
4. Exhibit E-3. U.S. Geological Survey 7.5 minute Quadrangle map for St. Stephens, AL., showing the proposed transmitter/antenna location and the site coordinates and the scale in meters and miles. The original copy of the 301 form contains an actual map of the St. Stephens, AL., quadrangle. The copies of the original contain a reduced version of this map. Sect V-B, page 4, paragraph 15.
5. Exhibit E-4. U.S. Geological Survey 250,000 series map of Hattiesburg, MS., and Andalusia, AL., sections showing the proposed transmitter/antenna site, radials along which profile graphs were prepared, the 3.16mv/m (70dBu) and 1.0mv/m (60dBu) predicted contours and the legal boundaries of the principal community (Chatom), to be served. The original 301 form contains the actual maps (Hattiesburg and Andalusiae) joined together for clarity. The copies contain reduced versions of the separate maps. Sect V-B, page 4, paragraph 16.
6. Exhibit E-5. This exhibit is a study that varifies the area and population within the 1mv/m (60dBu) contour. Sect V-B, page 4, paragraph 17.
7. Exhibit E-6. A study containing height above average terrain.
8. Exhibit E-7. A study containing the, proposed effective radiated power and distances to the 70dBu, 60dBu and 34dBu contours for each of eight radials. Sect. V-B, page 5, paragraph 19.
9. Exhibit E-8. FM spacing study demonstrating transmitter site meets 47 CFR Sect 73.207. Sect V-B, page 3, paragraph 13(a).
10. Exhibit E-9. Copy of F.C.C. MM Docket #86-55.
11. Exhibit E-10. Statement concerning Environmental Assessment of the proposed transmitter/antenna site as required by 47 CFR Sect 1.1301 et seq. Sect V-B, page 5, paragraph 20.

COUNTY OF DADE     )  
                          ) SS:  
STATE OF FLORIDA )

ENGINEERING STATEMENT

John Raymond Meyers, being duly sworn, deposes and says that he is the Technical Director of Benchmark Communications Corporation, with offices at 4700 SW 75 Avenue, Miami, Florida 33155; that he holds a valid F.C.C. Radiotelephone General Class Operator's License (PG-7-3377) and that his work has repeatedly been accepted by the F.C.C. in the past.

This Engineering Report is in support of the application of Benchmark Comm., Corp., (hereafter known as Benchmark), for a new class C3 FM Broadcasting Station to be located at Chatom, Alabama, with a proposed Effective Radiated Power of 25.0 Kilowatts and an antenna height of 100.0 meters above average terrain, on channel 291, 106.1MHz.

The following engineering report and exhibits have been prepared in accordance with, and satisfy the requirements of the Commission's "Rules" and FM Broadcast Technical Standards.

The proposed transmitter/antenna site is to be located at the summit of a hill in the unincorporated community of St. Stephens, Alabama at coordinates 31-33-02 N.L. and 88-03-54 W.L., which is 20.34 KM notheast of Chatom, Alabama, on a bearing of 60.2 degrees. This site was chossen because it meets several criteria. The site selected as the Chatom reference by the FCC in Docket No. 86-55 "Corrected" is located at 31-34-20 N.L. by 88-07-26 W.L. A study of this location shows that the elevation of the ground to be 40 meters above sea level. With in 2 KM in

any direction the terrain rises to greater than 75 meters which would pose a considerable disadvantage to station coverage. Further the path from this side to the community of license, Chatom, passes over the original site specified when the assignment was a class A. That site has a ground elevation of 62.8 meters above mean sea level. Terrain shadowing would be a real possibility.

A study of the surrounding area yielded a far superior site near St. Stephens, with an elevation of 88.0 meters above sea level. This site is 6.07 KM east-south-east of the FCC site on a bearing of 113.34 degrees. The site represents the most elevated location in Washington County and meets the separation requirements to the FCC reference site for Atmore, Alabama (30-55-05 N.L. by 87-26-47 W.L.) with 91.62 KM (89 KM required) and the FCC Reference site for Pascagoula, Mississippi (30-22-05 N.L. by 88-44-35 N.L.) with 146.42 KM (99 KM required) as stipulated in MM Docket #86-55 "Corrected" (Engineering Exhibit E-9). This site meets all other separation requirements as demonstrated in Engineering Exhibit E-8.

The site proposed permits the required signal level over the city of license "Chatom" and also provides good unobstructed service to significant unserved areas in the vicinity.

The site is readily accessible by paved road. Utilities are nearby and the character of the site itself is best described as a wooded area used for the production of pulp wood for profit.

It is proposed to construct a 45.7 meter uniform cross-section tower on the site to support the proposed Six-bay Circularly Polarized Antenna which will be side mounted at the

upper most location of the tower. This position will yield a center of radiation at 38.8 meters above ground level. The ground level at the summit of the hill is 88.0 meters above mean sea level. Therefore the "center of radiation" will be 126.8 meters above mean sea level. This information was derived from U.S. Geological 7.5 minute quadrangle map "St. Stephens, AL" elevation contours.

The center of radiation above average terrain has been determined to be 100.0 meters from a study of a 30-second data base of eight equally space radials from 3 to 16 KM from the proposed site. With an Effective Radiated Power of 25 Kilowatts Horizontal and Verticle, 70 dBu will be placed over 90.4% of the community of license, Chatom. This meets the requirements set forth in 47 CFR 73.315 (a) and (b).

The official population within the 60 dBu contour is estimated to be 34,488 persons based on the 1986 update of the 1980 census. The area within the 60 dBu contour is 4,745.7 square kilometers. Engineering Exhibit E-5 varifies these figures and also gives the adjusted predicted population and areas for both the 70 dBu and the 54 dBu contours.

Engineering Exhibit E-8 pages 1 to 4 demonstrate that the selected site satisfies the requirements of 47 CFR 73.207. Page 1 and 2 is the site study based on Dataworld's Data Base while 3 and 4 are those of the F.C.C. Data Base.

The area surrounding the site within 3.2 kilometers is rural and agricultural and is not zoned. The area immediately adjacent to the proposed transmitter/antenna site is best descibed as a wooded area of mostly Southern Pine grown for pulp wood for

profit. the nearest dwelling is greater than 300 meters from the site. This information was varified by personal observation.

A filing with the F.A.A. regional office at Atlanta, GA., for a determination concerning the proposed site has been made. A copy of this application is included as Engineering Exhibit E-1. The nearest airport is Chatom Airport on a bearing of 225.1 Degress 15.8 KM from the proposed site which exceeds 8 KMs.

Engineering Exhibit E-2 is a sketch of the supporting structure which meets the requirements of Section V-B, page 2, paragraph 8.

Engineering Exhibit E-3 is a U.S. Geological Survey 7.5 minute topographic quadrangle map entitled "St. Stephens, AL." The original of this application contains the actual map with the required information displayed thereon. Since this is the actual map all features of the map are preserved to varify the information displayed. Section V-B, page 4, paragraph 15 calls for the location of the proposed site to be displayed. In accordance the site has been located and lines extending to the left and top margins of the map with coordinates marked allow for easy varification. The site location is identified with a pointer listing the site coordinates. Map cross points at the 2.5 minute intervals have been darkened as well to assist in varification. Reduced versions of this exhibit are used in all copies of this application.

Engineering Exhibit E-4 are U.S. geological Survey 250,000 series section maps of Hattiesburg, MS and Andalusia, AL. Both maps are required because the proposed site lies just inside the right margin of the Hattiesburg, MS section. In the original

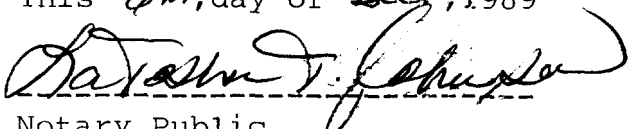
application, the actual two maps are joined and used to preserve detail and clarity. The site is identified and the eight standard radials are shown that determine the heights above average terrain plus a ninth radial through the city of license, Chatom. The 70dBu and 60 dBu contours are plotted and the legal boundaries of the principal community are shown. This map meets the requirements of section V-B, page 4, paragraph 16(a,b,c). All copies of the application contain reduced versions of these two maps as exhibits E-4(a) and E-4(b).

Engineering Exhibit E-7 is a contour study from Dataworld that predicts the distance to the 70 dBu, 60 dBu and 34 dBu contours, the average height of radiation center elevations along each radial using the linearly interpolated 30-second database for each of eight standard radials. A ninth radial over the city of license was required and is included.

Affiant states that this statement, calculations and exhibits were made by him personally or under his direct supervision and that all facts contained to be on information of belief, and as to those facts, he believes them to be true.

  
-----  
JOHN RAYMOND MEYERS  
Affiant

Subscribed to and sworn  
before me, a Notary Public  
for the County of Dade,  
State of Florida,  
This 6<sup>th</sup>, day of Dec., 1989

  
-----  
Notary Public

NOTARY PUBLIC STATE OF FLORIDA  
MY COMMISSION EXP JULY 13, 1993  
BONDED THRU GENERAL INS. UND.

# Engineering Exhibit E-1

DO NOT REMOVE CARBONS

Form Approved OMB No. 2120-0001

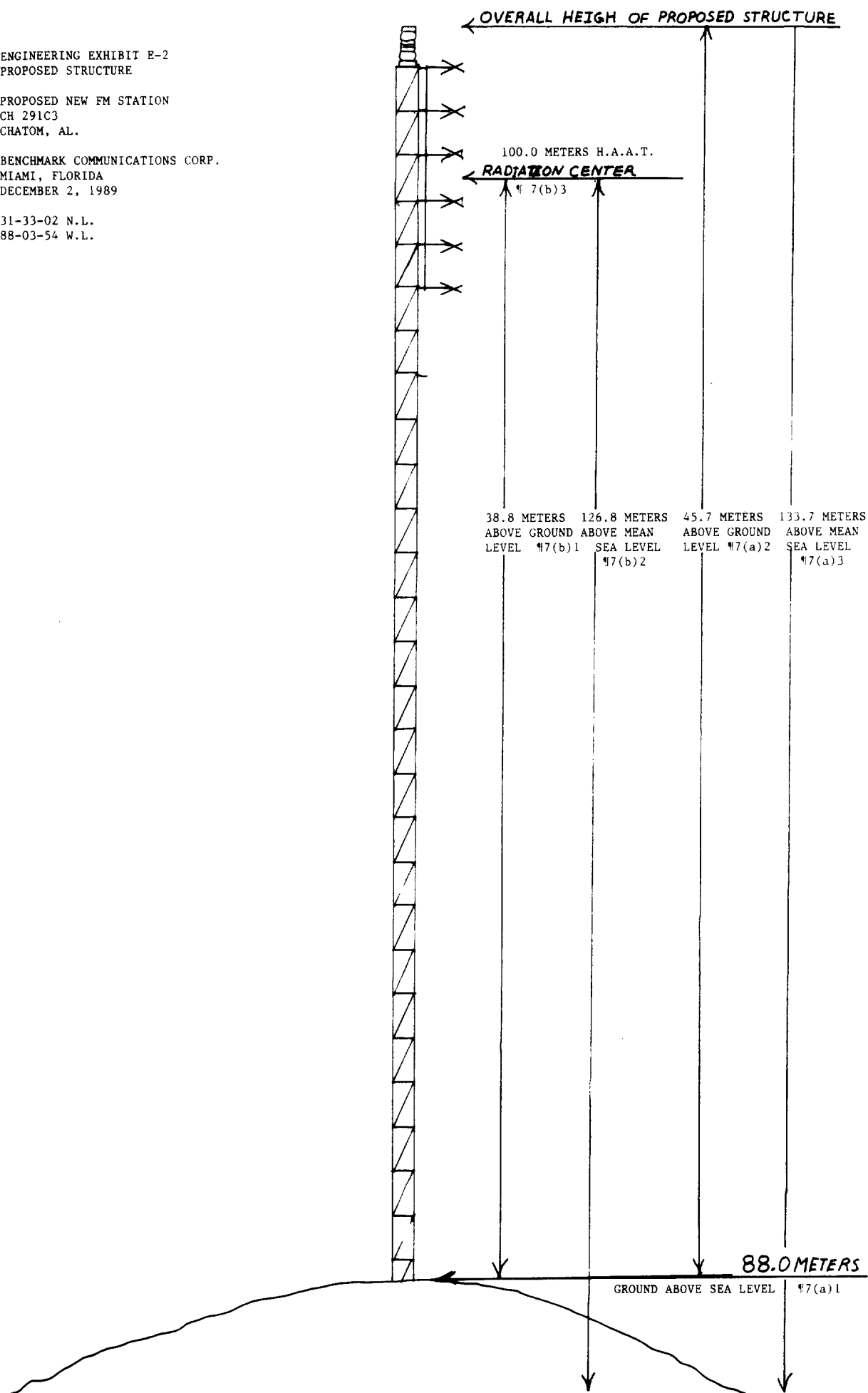
NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION			Aeronautical Study Number	
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>U.S. Department of Transportation Federal Aviation Administration</p> </div> <div style="width: 35%;"> <p>4</p> </div> </div>				
<b>1. Nature of Proposal</b>			<b>2. Complete Description of Structure</b>	
<div style="display: flex;"> <div style="flex: 1;"> <p><b>A. Type</b></p> <p><input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration</p> </div> <div style="flex: 1;"> <p><b>B. Class</b></p> <p><input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)</p> </div> <div style="flex: 1;"> <p><b>C. Work Schedule Dates</b></p> <p>Beginning <u>TO BE DETERMINED</u> End <u>BY FCC</u></p> </div> </div>			<p><b>A.</b> Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM, or TV broadcast stations utilizing this structure.</p> <p><b>B.</b> Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports.</p> <p><b>C.</b> Include information showing site orientation, dimensions, and construction materials of the proposed structure.</p>	
<p><b>3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration.</b> (Number, Street, City, State and Zip Code)</p> <p>( 305 ) <u>264-5957</u> <span style="float: right;">WCCJ-FM</span>  <small>area code Telephone Number</small></p> <p><b>BENCHMARK COMMUNICATIONS CORP.</b>          4700 SW 75 Avenue          Miami, FL 33155</p>			<p>Uniform Cross-section tower, guyed, 45.7 metters tall above ground including obstruction lighting. Tower will support a 6-bay circular polarized FM broadcast antenna. E.R.P. will 25KW on channel 291 (106.1 MHz).</p>	
<p><b>B. Name, address and telephone number of proponent's representative if different than 3 above.</b></p> <p>John Raymond Meyers          4700 SW 75 Ave          Miami, FL 33155 (305) 264-5957</p>			<p>(if more space is required, continue on a separate sheet.)</p>	
<b>4. Location of Structure</b>			<b>5. Height and Elevation</b> (Complete to the nearest foot)	
<p><b>A. Coordinates</b> (To nearest second)</p> <p>31° 33' 02.5" Latitude          88° 03' 54.5" Longitude</p>		<p><b>B. Nearest City or Town, and State</b></p> <p>St. Stephens, AL</p>		<p><b>C. Name of nearest airport, heliport, flightpark, or seaplane base</b></p> <p>Chatom Airport</p>
<p>(1) Distance to 4B</p> <p>1.0 Miles</p>		<p>(1) Distance from structure to nearest point of nearest runway</p> <p>15.8 KM</p>		<p><b>A. Elevation of site above mean sea level</b></p> <p>88 M 286 Ft</p>
<p>(2) Direction to 4B</p> <p>145°</p>		<p>(2) Direction from structure to airport</p> <p>225.1°</p>		<p><b>B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated</b></p> <p>45.7 M 150 Ft</p>
				<p><b>C. Overall height above mean sea level (A + B)</b></p> <p>133.7M 436 Ft</p>
<p><b>D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). (if more space is required, continue on a separate sheet of paper and attach to this notice.)</b></p> <p>Site is immediately adjacent on the west side of an unnamed street approximately 1.6KM north of Washington County, AL, County Road 34 at the town of St. Stephens, AL. See Attached map segment of U.S. Geological Survey 7.5 Quad of St. Stephens, AL (SW Alabama) 160KM N of Mobile, AL</p>				
<p><small>Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).</small></p>				
<p><b>I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking &amp; lighting standards if necessary.</b></p>				
<p><b>Date</b></p> <p>Dec. 5, 1988</p>		<p><b>Typed Name/Title of Person Filing Notice</b></p> <p>John Raymond Meyers, Pres./Dir./Owner</p>		<p><b>Signature</b></p> <p><i>[Signature]</i></p>

ENGINEERING EXHIBIT E-2  
PROPOSED STRUCTURE

PROPOSED NEW FM STATION  
CH 291C3  
CHATOM, AL.

BENCHMARK COMMUNICATIONS CORP.  
MIAMI, FLORIDA  
DECEMBER 2, 1989

31-33-02 N.L.  
88-03-54 W.L.



Benchmark Communications Corp.  
Miami, Florida

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Population within coverage area

Title: WCCJ

Coordinates: 31-33-02 88-03-54

70 dBu	60 dBu	54 dBu
3.16 mV/m	(1 mV/m)	(.50 mV/m)

Total Population (1980 Census):	17,359	34,684	56,533
Total Population (1980 Corr.):	17,357	34,680	56,526
Total Population (1986 Update):	17,232	34,488	56,664
Area (Square km):	1,676.4	4,745.7	8,043.6
(Square mi):	652.1	1,844.5	3,121.9

Benchmark Communications Corp.  
Miami, Florida

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Terrain Averages from NGDC 30-second Topographic database

Job Title: WCCJ  
Center of Radiation 126.8 m ( 416.0 ft) A.M.S.L.

Latitude: 31-33-02  
Longitude: 88-03-54

Bearing (Degrees true)	3.0 to 16.0 kilometer average terrain elevation		Height above average terrain	
	(meters)	(feet)	(meters)	(feet)
.0	7.2	23.6	119.6	392.4
45.0	33.8	110.9	93.0	305.1
90.0	31.9	104.7	94.9	311.4
135.0	29.6	97.1	97.2	318.9
180.0	29.5	96.8	97.3	319.2
225.0	30.2	99.1	96.6	316.9
* 240.3	34.6	113.5	92.2	302.5
270.0	30.7	100.7	96.1	315.3
315.0	21.8	71.5	105.0	344.5
Average:	26.8	87.9	100.0	328.1

\* = Radial not included in average

Average ( 9) radials:	26.8	87.9 C/R AMSL	126.8	416.0
Average (12) radials:	27.9	91.5 C/R AMSL	127.9	419.6
Average (18) radials:	27.1	88.9 C/R AMSL	127.1	417.0
Average (24) radials:	27.6	90.6 C/R AMSL	127.6	418.6
Average (36) radials:	27.6	90.6 C/R AMSL	127.6	418.6
Average (72) radials:	27.5	90.2 C/R AMSL	127.5	418.3

Benchmark Communications Corp.  
Miami, Florida

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## Service contours based on FCC F(50,50) curves

Title: WCCJ  
Channel: 291 C/R 126.8 meters ( 416.0 feet) A.M.S.L. Latitude: 31-33-02  
Longitude: 88-03-54

Bearing (degrees)	HAAT (meters) (feet)	ERP (kilowatts) (dBk)	70 dBu (3.16 mV/m) contour	60 dBu ( 1 mV/m) contour	54 dBu ( .50 mV/m) contour
.0	119.6 392.4	25.00 13.98	25.2 km 15.7 mi	42.0 km 26.1 mi	54.1 km 33.6 mi
45.0	93.0 305.1	25.00 13.98	22.4 km 13.9 mi	37.9 km 23.5 mi	49.5 km 30.7 mi
90.0	94.9 311.4	25.00 13.98	22.7 km 14.1 mi	38.2 km 23.7 mi	49.8 km 31.0 mi
135.0	97.2 318.9	25.00 13.98	22.9 km 14.2 mi	38.6 km 24.0 mi	50.3 km 31.3 mi
180.0	97.3 319.2	25.00 13.98	22.9 km 14.3 mi	38.6 km 24.0 mi	50.3 km 31.3 mi
225.0	96.6 316.9	25.00 13.98	22.9 km 14.2 mi	38.5 km 23.9 mi	50.2 km 31.2 mi
* 240.3	92.2 302.5	25.00 13.98	22.3 km 13.9 mi	37.7 km 23.4 mi	49.3 km 30.6 mi
270.0	96.1 315.3	25.00 13.98	22.8 km 14.2 mi	38.4 km 23.9 mi	50.1 km 31.1 mi
315.0	105.0 344.5	25.00 13.98	23.8 km 14.8 mi	39.9 km 24.8 mi	51.8 km 32.2 mi
<hr/>					
HAAT:	100.0 328.0				

Note: Radial(s) denoted by "\*" not included in HAAT calculation.

Benchmark Communications Corp.  
Miami, Florida

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## FM Spacing study

Title: CHATOM  
Channel 291C3 (106.1 MHz)  
Database: DW 11/22/89

Latitude: 31-33-02  
Longitude: 88-03-54  
Safety zone: 45 km

Call	Auth	Licensee name	Chan	ERP-kW	Latitude	Br-to	Dist.	Req.
City of License	St	FCC File no.	Freq	EAH-m	Longitude	-from	(km)	(km)
WJDB-FM LIC	RADIO	WJDB INCORPORATED	237A	3	31-52-58	39.2	47.72	12
THOMASVILLE	AL	BLH-5632	95.3	91	87-44-42	219.4	35.72	CLEAR
Deletion proposed; Affiliated with WJDB(AM)								
PRM	DELETION	PROPOSED	237A		31-52-58	39.2	47.72	12
THOMASVILLE	AL	DOC-89-362	95.3		87-44-42	219.4	35.72	CLEAR
Deletion proposed								
WOHT	LIC	WLIN INCORPORATED	238C	100	32-16-39	291.6	225.8	31
JACKSON	MS	BLH-6026	95.5	322	90-17-41	110.4	194.8	CLEAR
Was WLIN 02/04/89								
WABO-FM LIC	MARTIN	BROADCASTING COMP	288A	3	31-40-48	284.1	59.74	42
WAYNESBORO	MS	BLH-5860	105.5	44	88-40-34	103.8	17.74	CLEAR
Affiliated with WABO(AM)								
WMMV	LIC	FAULKNER-PHILLIPS MEDIA	288A	2.60	30-49-34	166.6	82.56	42
BAY MINETTE	AL	BLH-880330KC	105.5	106	87-51-52	346.7	40.56	CLEAR
Was WMLL-FM 09/01/89; Affiliated with WBCA(AM)								
ALLOC	SITE RESTRICTION	.1 MI S	289A		30-17-36	161.3	147.1	42
ORANGE BEACH	AL	DOC-84-231	105.7		87-34-22	341.6	105.1	CLEAR
Filing window 10/28-12/03/87								
ALLOC	SITE RESTRICTION	3 MI SW	290A		30-55-05	139.9	91.62	89
ATMORE	AL	DOC-86-55	105.9		87-26-47	320.3	2.62	CLOSE
GRANTED EFF 11/30/89; Filing window 12/01-01/02/90								
WTOH	LIC	SPRING HILL COLLEGE	*290D	.01	30-41-48	184.2	94.92	
MOBILE	AL	BLD-831103AB	105.9	33	88-08-15	4.1		
RM	PETITION	FOR RECONSIDERA	291A		30-25-12	147.1	149.2	142
PENSACOLA	FL	DOC-84-231	106.1		87-13-06	327.5	7.166	CLOSE
ALLOC	GRANTED EFF	8/27/87	291A		30-21-30	146.6	158.1	142
GULF BREEZE	FL	DOC-83-493	106.1		87-09-24	327.1	16.12	CLEAR
RM	DELETION	REQUESTED	291A		30-21-30	146.6	158.1	142
GULF BREEZE	FL	RM-4393	106.1		87-09-24	327.1	16.12	CLEAR
Deletion proposed; PETITION FOR RECONSIDERATION								
WKYJ	LIC	STARKVILLE BROADCASTING	291C2	40	33-17-38	344.2	201.2	177
STARKVILLE	MS	BLH-890131KA	106.1	153	88-39-27	163.8	24.19	CLEAR
Was WSMU-FM 12/15/88; Affiliated with WSSO(AM)								

Benchmark Communications Corp.  
Miami, Florida

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## FM Spacing study

Title: CHATOM12-89  
Channel 291C3 (106.1 MHz)

Latitude: 31-33-02  
Longitude: 88-03-54

Call	Auth	Licensee name	Chan	ERP-kW	Latitude	Br-to	Dist.	Req.
City of License	St	FCC File no.	Freq	EAH-m	Longitude	-from	(km)	(km)
WZRH	ORD	HOWES BROADCASTING CORPO	291C2	50	30-30-37	238.8	220.4	177
PICAYUNE		MS 891010IG						
106.1	150	90-01-56	57.8	43.41	CLEAR			
ORDERED FROM 291C2; TDF; Was WRMH 10/01/89; Affiliated with WRJW(AM)								
WMFM	LIC	HICKMAN BEST SERVICES IN	292A	1.80	31-23-02	260.3	107.5	89
PETAL		MS BLH-860121KG	106.3	122	89-10-44	79.8	18.46	CLEAR
WZNJ	LIC	SOUTHSTAR COMMUNICATIONS	292A	3	32-30-08	12.3	108.1	89
DEMOPOLIS		AL	106.3	58	87-49-07	192.4	19.06	CLEAR
Deletion proposed; ORDERED TO 293C2; Was WNAN 08/04/86; Affiliated with WXAL(AM)								
WKNU	LIC	ELLINGTON RADIO INC	292A	3	31-06-45	115.9	110.5	89
BREWTON		AL	106.3	91	87-01-19	296.5	21.52	CLEAR
WGUD-FM	LIC	WGUD-STEREO INCORPORATED	292A	2.65	30-26-54	200.8	130.7	89
PASCAGOULA		MS BLH-851108KH	106.3	105	88-33-05	20.6	41.73	CLEAR
Deletion proposed; ORDERED TO 290C3; Was WGUD 08/24/85; Affiliated with WGUD(AM)								
ALLOC		SITE RESTRICTION 1.6 MI	293A		30-52-33	161.3	79.00	42
BAY MINETTE		AL DOC-84-231	106.5		87-47-55	341.4	37.00	CLEAR
Filing window 06/03-07/14/88								
NEW	APP	BALDWIN BROADCASTING COM	293A	2.60	30-49-34	166.6	82.56	42
BAY MINETTE		AL BPH-880805MW	106.5	106	87-51-52	346.7	40.56	CLEAR
WZNJ	ORD	SOUTHSTAR COMMUNICATIONS	293C2	50	32-20-40	24.9	97.22	56
DEMOPOLIS		AL BPH-890413IE	106.5	150	87-37-43	205.1	41.22	CLEAR
ORDERED FROM 292A; TDF; Was WNAN 08/04/86; Affiliated with WXAL(AM)								
WKMx-FM	LIC	WKMx RADIO INCORPORATED	294C	100	31-24-41	93.9	200.7	96
ENTERPRISE		AL BLH-870105KB	106.7	326	85-57-32	275.0	104.7	CLEAR

End of channel 291C3 study

Benchmark Communications Corp.  
Miami, Florida

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November 28, 1989

## FM Spacing study

Title: CHATOM  
Channel 291C3 (106.1 MHz)  
Database: FCC 10/24/89

Latitude: 31-33-02  
Longitude: 88-03-54  
Safety zone: 45 km

Call	Auth	Licensee name	Chan	ERP-kW	Latitude	Br-to	Dist.	Req.
City of License	St	FCC File no.	Freq	EAH-m	Longitude	-from	(km)	(km)
WJDB-FM LIC	WJDB Radio, Inc.	237A	3	31-52-58	39.2	47.72	12	
Thomasville	AL BLH-5632	95.3	91	87-44-42	219.4	35.72	CLEAR	
WJDB DEL	WJDB Radio, Inc.	237A		31-52-58	39.2	47.72	12	
Thomasville	AL RM-6694	95.3		87-44-42	219.4	35.72	CLEAR	
PRM-Option II; DOC-89-362								
WILN LIC	Metro Radio, Inc.	238C	100	32-16-39	291.6	225.8	31	
Jackson	MS BLH-6026	95.5	323	90-17-41	110.4	194.8	CLEAR	
WABO-FM LIC	Martin Broadcasting Comp	288A	3	31-40-48	284.1	59.74	42	
Waynesboro	MS BLH-5860	105.5	44	88-40-34	103.8	17.74	CLEAR	
WMMV LIC	Faulkner-Phillips Media,	288A	2.60	30-49-34	166.6	82.56	42	
Bay Minette	AL BLH-880330KC	105.5	106	87-51-52	346.7	40.56	CLEAR	
NEW APC	Quaz Communications, Inc	289A	3	30-17-49	161.0	147.0	42	
Orange Beach	AL BPH-871203MR	105.7	100	87-33-55	341.2	105.0	CLEAR	
DOC-89-292; Cut-off 09/26/88								
ALOC		290A		30-55-05	139.9	91.62	89	
Atmore	AL DOC-86-55	105.9		87-26-47	320.3	2.62	CLOSE	
Site Restricted-Effective 11-17-89; Filing window 11/20-12/20/89								
WTOH LIC	Spring Hill College Cty.	290D	.01	30-41-48	184.2	94.92		
Mobile	AL BLED-831103AB	105.9	44	88-08-15	4.1			
WCCJ ADD	Benchmark Communications	291C2		31-35-08	316.6	5.356	177	
Chatom	AL RM-5400	106.1		88-06-14	136.6	-172	SHORT	
SITE RESTRICTED 20.1KM NORTHEAST-ADDITIONAL CONSIDERATION; DOC-86-55								
ADD FCC		291C3		31-34-20	293.4	6.086	153	
Chatom	AL	106.1		88-07-26	113.4	-147	SHORT	
Additional Consideration								
ALOC		291A		31-29-24	244.3	15.51	142	
Chatom	AL DOC-85-387	106.1		88-12-44	64.2	-126	SHORT	
EFFECTIVE 6-2-86-RESERVED FOR WCCJ								
WCCJ DEL	Benchmark Communications	291A		31-29-24	244.3	15.51	142	
Chatom	AL RM-5400	106.1		88-12-44	64.2	-126	SHORT	
DOC-86-55								
ALOC		291A		30-21-30	146.6	158.1	142	
Gulf Breeze	FL DOC-83-493	106.1		87-09-24	327.1	16.12	CLEAR	
EFFECTIVE 870827-RESERVED FOR ULTIMATE PERMITTEE; Filing window 06/13-07/12/85								

Benchmark Communications Corp.  
Miami, Florida

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November 28, 1989

## FM Spacing study

Title: CHATOM  
Channel 291C3 (106.1 MHz)

Latitude: 31-33-02  
Longitude: 88-03-54

Call	Auth	Licensee name	Chan	ERP-kW	Latitude	Br-to	Dist.	Req.
City of	License	St FCC File no.	Freq	EAH-m	Longitude	-from	(km)	(km)
WKYJ	LIC	Starkville Broadcasting	291C2	40	33-17-38	344.2	201.2	177
Starkville		MS BLH-890131KA	106.1	153	88-39-27	163.8	24.19	CLEAR
ALLOC			291C2		33-18-00	344.0	202.1	177
Starkville		MS DOC-86-480	106.1		88-40-00	163.7	25.08	CLEAR
SITE RESTRICTED-EFF 10-19-87-RSVD FOR WSMUFM PER D86-480								
ALLOC			291C2		30-34-29	239.9	213.5	177
Picayune		MS	106.1		89-59-36	58.9	36.49	CLEAR
Effective 7-10-89-Rsvd for WRMH per D86-443								
WMFM	LIC	Thomas William Hickman,	292A	1.80	31-23-02	260.3	107.5	89
Petal		MS BLH-860121KG	106.3	122	89-10-44	79.8	18.46	CLEAR
WZNJ	LIC	Southstar Communications	292A	3	32-30-08	12.3	108.1	89
Demopolis		AL BLH-6836	106.3	58	87-49-07	192.4	19.06	CLEAR
*To Channel 293C2 per D87-451								
WKNU	LIC	Ellington Radi	292A	3	31-06-45	115.9	110.5	89
Brewton		AL BLH-6349	106.3	91	87-01-19	296.5	21.52	CLEAR
WGUD-FM	LIC	WGUD Stereo, Inc.	292A	2.65	30-26-54	200.8	130.7	89
Pascagoula		MS BLH-851108KH	106.3	105	88-33-05	20.6	41.73	CLEAR
ALLOC			293A		30-52-33	161.3	79.00	42
Bay Minette		AL DOC-84-231	106.5		87-47-55	341.4	37.00	CLEAR
# 74 - SITE RESTRICTED; Filing window 06/03-07/14/88								
NEW	APC	Baldwin Broadcasting Com	293A	2.60	30-49-34	166.6	82.56	42
Minette		AL BPH-880805MW	106.5	106	87-51-52	346.7	40.56	CLEAR
Cut-off 05/10/89								
ALLOC			293C2		32-20-25	24.0	96.01	56
Demopolis		AL DOC-87-451	106.5		87-38-55	204.2	40.01	CLEAR
Site Restricted-Effective 1-13-89-Rsvd for WZNJ per D87-451								
WZNJ	APC	Southstar Communications	293C2	50	32-20-40	24.9	97.22	56
Demopolis		AL BPH-890413IE	106.5	150	87-37-43	205.1	41.22	CLEAR
From Channel 292A								
WKMx	CP	WKMx Radio, Inc.	294C	100	31-24-41	93.9	200.7	96
Enterprise		AL BMPH-871103IL	106.7	326	85-57-32	275.0	104.7	CLEAR

End of channel 291C3 study

Before the  
Federal Communications Commission  
Washington, D.C. 20554

### CORRECTED

MM Docket No. 86-55

In the Matter of

Amendment of Section 73.202(b),	RM-5161
Table of Allotments.	RM-5400
FM Broadcast Stations.	RM-5401
(Atmore, Chatom, Bayou LaBatre, Alabama, and Pascagoula, Mississippi)	

### REPORT AND ORDER (Proceeding Terminated)

Adopted: September 18, 1989; Released: October 16, 1989

By the Chief, Policy and Rules Division:

1. The Commission has before it for consideration the *Notice of Proposed Rule Making* in this proceeding, 51 Fed. Reg. 6442, published February 24, 1986, proposing the allotment of Channel 290A to Atmore, Alabama. WGUD Stereo, Inc., and Benchmark Communications Corporation filed counterproposals. Alabama Native American Broadcasting Company, Shelley Broadcasting Co., Inc., and Mississippi Network, Inc., filed comments. Alabama Native American Broadcasting Company, WGUD Stereo, Inc., EJM Broadcasting Company and Mississippi Network, Inc., filed reply comments. Finally, Alabama Native American Broadcasting Company, WGUD Stereo, Inc., and Benchmark Communications Corporation filed "Joint Supplemental Comments." For the reasons discussed below, we are allotting Channel 290A to Atmore, Alabama, Channel 290C3 to Pascagoula, Mississippi, and Channel 291C3 to Chatom, Alabama.

### BACKGROUND

2. This proceeding began with the filing of a petition for rule making by Alabama Native American Broadcasting Company ("ANABC"), proposing the allotment of a new Class A channel to Atmore, Alabama.<sup>1</sup> In response to the *Notice* proposing the allotment of Channel 290A to Atmore, WGUD Stereo, Inc. ("WGUD"), licensee of Station WGUD, Channel 292A, Pascagoula, Mississippi, filed a counterproposal proposing the substitution of Channel 290C2 for Channel 292A at Pascagoula, and modification of its Station WGUD license to specify operation on Channel 290C2. WGUD also included a counterproposal to allot Channel 292A to Bayou LaBatre, Alabama. In addition, Benchmark Communications Corporation ("Benchmark"), permittee of Station WCCJ, Channel 291A, Chatom, Alabama, filed a counterproposal propos-

ing the substitution of Channel 290C2 for Channel 291A at Chatom, and modification of its Station WCCJ construction permit to specify operation on Channel 290C2.<sup>2</sup>

3. Shelley Broadcasting Co., Inc. ("Shelley"), licensee of Station WRJM, Channel 289C, Troy, Alabama, and EJM Broadcasting ("EJM"), licensee of Station WDLT, Channel 252A, Chickasaw, Alabama, filed comments. In its comments, EJM notes that ANABC originally requested the allotment of Channel 254A to Atmore which, in turn, conflicts with its proposal to substitute Channel 254C1 for Channel 252A at Chickasaw (RM-5108). EJM asserts that the upgrade of the only station licensed to serve Chickasaw should be preferred over a proposed fourth local service to Atmore. On the other hand, EJM does not object to the proposal to allot Channel 290A to Atmore. In its comments, Shelley asserts that there is no "reasonable assurance" that a transmitter site is available for the proposed Atmore allotment that would meet the minimum spacing requirements and comply with zoning and FAA restrictions.

### DISCUSSION

4. We will not consider the Benchmark counterproposal to upgrade its Channel 291A construction permit to operate on Channel 290C2. On January 19, 1989, the Audio Services Division cancelled Benchmark's underlying construction permit for Channel 291A at Chatom. As a consequence of that cancellation, Benchmark is no longer eligible to request modification of its construction permit. Moreover, in the Joint Supplemental Comments filed June 23, 1989, Benchmark agrees not to pursue the Channel 290C2 allotment. Instead, Benchmark states its willingness to apply for a Channel 291C3 allotment at Chatom as a "new facility." We also need not consider the EJM comments because they concern only the originally proposed Channel 254A proposal for Atmore. In regard to the comments by Shelley pertaining to a suitable transmitter site at Atmore, we note that ANABC is the licensee of AM Station WASG, Atmore, Alabama. The reference site for the proposed Channel 290A allotment at Atmore is the same site as the Station WASG AM facilities, which include a 506-foot tower. In view of the existing 506-foot tower, Shelley's unsupported allegations raise no substantial question as to site availability concerning zoning and FAA restrictions. Finally, we will no longer consider the proposed Bayou LaBatre allotment because the only parties expressing an interest in this allotment, Redus R. Taylor and Steve Davenport, subsequently withdrew their interests in applying for this allotment.

5. As indicated earlier, ANABC, WGUD, and Benchmark filed Joint Supplemental Comments looking toward a resolution of this proceeding.<sup>3</sup> Specifically, the supplemental comments propose the allotment of Channel 290A to Atmore, Channel 291C3 to Chatom, and Channel 290C3 to Pascagoula.<sup>4</sup> These allotments will comply with the Commission's minimum spacing requirements. We believe that the public interest would be served by the allotment of FM Channel 290A to Atmore, Alabama, and Channel 291C3 to Chatom, Alabama. We also believe that the public interest would be served by the substitution of Channel 290C3 for Channel 292A at Pascagoula, Mississippi, and modification of the Station WGUD license to specify operation on Channel 290C3.<sup>5</sup> Accordingly, pursuant to the authority found in Sections 4(i), 5(c)(1), and

303(g) and (i) and 307(b) of the Communications Act of 1934, as amended, and Sections 0.61, 0.204(b) and 0.283 of the Commission's Rules. IT IS ORDERED. That effective November 30, 1989, the FM Table of Allotments, Section 73.202(b) of the Commission's Rules, IS AMENDED for the communities listed below, as follows:

Community	Channel No.
Atmore, Alabama	281C, 290A
Chatom, Alabama	291C3
Pascagoula, Mississippi	256C1, 290C3

6. The window period for filing applications for the Channel 290A allotment at Atmore, Alabama, and the Channel 291C3 allotment at Chatom, Alabama, will open on December 1, 1989, and close on January 2, 1990.

7. IT IS FURTHER ORDERED, pursuant to the authority contained in Section 316 of the Communications Act of 1934, as amended, that the license of Station WGUD, Pascagoula, Mississippi, IS MODIFIED to specify operation on Channel 290C3, subject to the following conditions:

(a) Within 90 days of the effective date of this Order, the licensee shall file with the Commission a minor change application for construction permit (FCC 301) specifying the new facility.

(b) Upon grant of the construction permit, program tests may be conducted in accordance with Section 73.1620.

(c) Nothing contained herein shall be construed to authorize a change in transmitter location or to avoid the necessity of filing an environmental impact statement pursuant to Section 1.1301 of the Commission's Rules.

8. IT IS FURTHER ORDERED. That the counterproposal to allot Channel 292A to Bayou LaBatre, Alabama, IS DISMISSED.

9. IT IS FURTHER ORDERED. That this proceeding IS TERMINATED.

10. For further information concerning this proceeding, contact Robert Hayne, Mass Media Bureau, (202) 634-6530.

#### FEDERAL COMMUNICATIONS COMMISSION

Karl A. Kensinger  
Chief, Allocations Branch  
Policy and Rules Division  
Mass Media Bureau

#### FOOTNOTES

<sup>1</sup> Originally, ANABC requested the allotment of Channel 254A to Atmore. In order to afford the required protection to the 16-kilometer buffer zone for Class C Stations WKYD-FM, Andalusia, Alabama, and WMPO, Pascagoula, Mississippi, the Notice proposed Channel 290A.

<sup>2</sup> Public Notice for both counterproposals was given on April 22, 1986 (Report No. 5398).

<sup>3</sup> These parties have also filed a "Petition to Accept Joint Supplemental Comments" and a "Joint Motion to Expedite." In view of the fact that the Joint Supplemental Comments will lead to an expeditious resolution of this proceeding resulting in new FM allotments at all three communities, we hereby accept these comments.

<sup>4</sup> This resolution is made possible by the Commission's *First Report and Order* in MM Docket No. 88-375, 4 FCC Rcd. 2792 (1989), which created the additional class of FM broadcast station, Class C3.

<sup>5</sup> The reference coordinates for these allotments are: Channel 290A at Atmore, Alabama, 30-55-05 and 87-26-47, for Channel 290C3 at Pascagoula, Mississippi, 30-22-05 and 88-44-35, and for Channel 291C3 at Chatom, Alabama, 31-34-20 and 88-07-26.

ENGINEERING EXHIBIT E-10  
BENCHMARK COMM. CORP.  
DEC. 2, 1989

# ENVIRONMENTAL IMPACT STATEMENT

In accordance with the provisions of 47 CFR Sect. 1.1301 et seq., of the Rules and Regulations of the Federal Communications Commission, the applicant has analyzed this application and determined that issuance of a Construction Permit at the proposed site will not constitute a Major Environmental Action, determined as follows:

- 1) The overall height above ground of the antenna tower and supporting structure does not exceed 100 meters.
- 2) The proposed site is not within an officially designated wilderness area, or in an area where designation as a wilderness area is pending consideration.
- 3) The proposed site is not located in an officially designated wildlife preserve or in an area where designation as a wildlife preserve is pending.
- 4) The proposed site is not located in an area which will affect districts, sites, buildings, structures or objects, significant in American History, architecture, archeology or culture, which are listed in the National Register of Historic Places or eligible for such listing.
- 5) The proposed site is not located in an area which is recognized either nationally or locally for its special scenic or recreational value.
- 6) The proposed site is not located in a floodplain.
- 7) Construction of the tower at the proposed site will not involve any extensive change in surface features (e.g. wetland fill, deforestation or other diversion).
- 8) Other than the tower itself, the only other construction required will be that of a small building near the base of the tower, designed to house the transmitter and associated equipment.
- 9) The proposed tower site is located in a sparsely populated rural area and is not expected to be the subject of any local controversy concerning its construction.
- 10) High intensity strobe lighting is NOT proposed.
- 11) Non-ionizing radiation from the site will not exceed levels established by the American National Standards Institute (ANSI), "American National Standards Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300KHz to 100 GHz," (ANSI C95.1-1982).